

<b>Contract / region</b>	C19008 Moray Outfalls – Inverboyndie							
<b>Location</b>	Moray	<b>Prepared by</b>	Iain Peteranna			<b>Job title</b>	Contracts Manager	
<b>Ref/Activity</b>	RAIP06 Rev01 Site Works	<b>Group Affected</b>	Veolia, UBCivils, visitors to site, members of public, road users			<b>Date performed</b>	11.04.2022	
						<b>Date valid until</b>	11.10.2022	
<b>HAZARD</b>	<b>CONSEQUENCE</b>	<b>RISK RATING BEFORE CONTROL MEASURES</b>			<b>CONTROL MEASURES</b>	<b>RISK RATING AFTER CONTROL MEASURES</b>		
		LIKELIHOOD (L)	SEVERITY (S)	RISK		LIKELIHOOD (L)	SEVERITY (S)	RISK
Spread of Covid-19	Serious illness or death	2	4	8	All works to comply with RACP02 – Spread of Covid-19 Rev00	1	4	4
Offloading plant	Public/Operatives/plant.	2	4	8	All plant to have audible reversing warning devices and reversing lights, flashing beacons on at all times. Use recognised access/egress points which are clearly signed. Only trained certified drivers for all plant.	1	4	4
Excavations	Plant striking existing services	2	3	6	Area to be scanned prior to excavation by UBCivils. Permit to be issued for any restrictions. Service provider drawings to be checked for any known services. Trained and competent plant operators. All Utility Drawings on site and checked. Cat and Genny Scan excavation and surrounding area. Trial hole to find buried services. Mark up services with spray paint, ensure all located services are marked outside the area to be excavated. Follow safe digging practices as in HSG 47.	1	3	6
Vehicles / Plant Reversing	Striking personnel, toppling resulting in injury or death	2	4	8	PVM or physical barrier whenever reversing is unavoidable. All plant to have audible reversing warning devices, reversing lights, flashing beacons at all times,	1	4	4

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					visual/physical aids provided at edges where risk of toppling is present 3m exclusion at all times.			
Plant defective or unsafe - Crushing	Crushing / Striking / Overturning resulting in injury or death	2	4	8	All plant subject to planned maintenance and daily pre-use checks. Registers and certs to be in order. Provide competent operators, drivers and banksmen.	1	4	4
Manual Handling	Strains, back pain	2	2	4	Know your limits for lifting. Use mechanical means whenever possible. Correct posture to be used. Rotate squads, adequate rest breaks. Gloves to be worn.	1	2	2
Tripping hazard	Sprains/strains	2	2	4	Work areas to be kept clean and tidy at all times. Materials to be stored neatly and site to be kept tidy.	1	2	2
Damage to Environment by hydrocarbons / silt.	Spills, pollution of watercourse, pollution of land, noise and vibration, dust, waste.	2	3	6	Spill kits will be provided at the work area and all personnel trained in their use. Hierarchy of spill response to be available in accordance with Emergency Response Plan.	1	3	3
Poor Weather conditions.	Increases slips, trips and falls. Poor visibility, severe weather can lead to hyperthermia.	2	3	6	Observe weather reports and warnings. Provide quality PPE. Greater emphasis on poor weather conditions during induction process. Daily Risk assessments to be completed by competent person.	1	3	3

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Re-fuelling of plant - Pollution	Fuel spills, pollution of watercourses or land	2	3	6	Plant nappy to be stored next to fuel bowser and all mobile plant to have spill kits. Plant nappies to be used at all times when re-fuelling. No refuelling activities to be near water courses. Any used /contaminated spill kits to be disposed of separately in an oil/waste bag or bin.	1	3	3

### Risk Assessment Matrix

		RISK RATING				
Severity	5					
	4					
	3					
	2					
	1					
		1	2	3	4	5
		Likelihood				

BEFORE CONTROL MEASURES		
	Critical Risk	Risk MUST be mitigated and risk level reduced to yellow
	High Risk	Risk MUST be mitigated and risk level reduced to yellow
	Moderate Risk	Supervision or monitoring of activity should be considered
	Minor Risk	Acceptable risk

AFTER CONTROL MEASURES		
	Critical Risk	Activity may not continue and must be added to the risk register
	High Risk	Activity may continue with management review and must be added to the risk register
	Moderate Risk	Supervision or monitoring of activity should be considered
	Minor Risk	Acceptable risk

SCORE	LIKELIHOOD	
	DEFINITION	PROBABILITY
5	Very Likely	>90%
4	Likely	51% to 90%
3	Possible	11% to 50%
2	Unlikely	1% to 10%
1	Highly Unlikely	<1%

SEVERITY		
HEALTH	SAFETY	ENVIRONMENT
Multiple Deaths	Multiple Deaths	Irreversible Environmental Incident
Life shortening health effect	Single death or multiple major injuries	Significant environmental impact (e.g. contamination of a water source)
Irreversible health effect or serious illness with full recovery	Major injury or Over 3-day absence	Moderate environmental impact (e.g. fuel tank spillage)
Reversible health effect (e.g. minor dermatitis)	Minor injury or one day absence	Local environmental impact (e.g. excess inert waste left overnight)
Mild health effect ~ No lost time (e.g. local skin irritation)	First aid case, No lost time	Minor environmental impact (e.g. minor oil spill)